

ABSTRACT OF THE DISCLOSURE

A rack-mount server system of a liquid cooling system, in which a heat-generating component such as CPU is cooled by a coolant, is composed of: a plurality of server modules with heat-generating components which are cooled by the circulating coolant; a coolant circulation path to which the server modules are connected in parallel and through which the coolant to cool the server modules is circulated; and a cooling unit connected in the middle of the coolant circulation path, the cooling unit circulating the coolant and cooling the coolant by radiating its heat to the outside air. Furthermore, a bypass route parallel to the server modules and going around the server modules is provided in the coolant circulation path, and the circulation quantity of the coolant is controlled in the bypass route. Alternatively, the flow quantity of the coolant is controlled in each of the server modules. In this manner, the cooling enough to ensure the reliability of a plurality of server modules mounted in the rack cabinet can be achieved.